

# ANNUAL REPORT

## COUNTY AGENT WORK

*Kershaw*  
County

SOUTH CAROLINA

1947

*J. D. Marshall*

Negro Agricultural Agent

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

ANNUAL REPORT OF COUNTY AGENT'S WORK

KERSHAW COUNTY, SOUTH CAROLINA

-1947-

J. D. MARSHALL

NEGRO AGRICULTURAL AGENT

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Cooperative Extension Work in Agriculture and Home Economics  
Clemson Agricultural College and the  
United States Department of  
Agriculture Cooperating  
Extension Service

D. W. Watkins, Director  
CLEMSON, SOUTH CAROLINA .

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## SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

### GENERAL ACTIVITIES

1.	Days Agent spent in office - - - - -	67
2.	Days Agent spent in field - - - - -	236
3.	Days Agent worked - - - - -	303
4.	Miles Agent traveled - - - - -	16,484
5.	Farm visits - - - - -	349
6.	Different Farms visited - - - - -	585
7.	Office calls at Agent's office - - - - -	2,052
8.	Telephone calls at Agent's office - - - - -	354
9.	Meetings held or attended - - - - -	88
10.	Attendance at these meetings - - - - -	6,722
11.	Number of communities in which extension work was conducted - - - - -	15
12.	Number of farmers conducting Demonstrations - - - - -	57
13.	Number of voluntary Community Leaders assisting with Extension Program - - - - -	87

### PROJECT ACTIVITIES AND RESULTS

#### Agricultural Economics

Fifteen Outlook Meetings were held with attendance of 573 farmers. Complete survey findings of the national outlook on crops and live stock was given. Agent cooperated with Farm Credit Agencies, Farmers Home ration in receiving credit for 19 farmers.

#### Agricultural Engineering

Assisted 37 farmers in signing work agreements with Soil Conservation through the encouragement of the Agent. Five hundred and Fifty seven (557) acres were plowed, terraced, during the year of 1947. Thirteen (13) Farm buildings and warehouses were built during 1947 whose plans were furnished. Fifteen (15) farmers were assisted in repairing and caring for farm machinery. Eleven (11) farmers attended Tractor School held in the County in 1947. Assisted two (2) farmers in the purchasing of tractor equipment. Assisted in getting 27 miles of Rural Electric line for 100 farm families.

#### Agronomy

Four (4) farmers completed five-acre cotton demonstrations producing an average of 579 pounds of lint cotton per acre. Placed 3,000 pounds of improved or purebred cottonseed. Held fifteen (15) fertilizer meetings, advising as to the best formula to use. Four corn production demonstrations were completed, with an average of 37 bushels per acre. The County averaged 10 bushels per acre. Three Oat demonstrations were completed with an average of 41 bushels per acre.



Two wheat demonstrations were completed averaging 26 bushels per acre. Five legumes for hay demonstrations were completed, averaging one and a half tons per acre. Three tobacco demonstrations were completed, averaging 1466 pounds per acre and valued at \$620.00 per acre, as compared with the County average of \$284.00 per acre. Six farmers assisted in the planning of permanent pastures. Assisted five farmers in purchasing Alta Fescue grass seed to start pastures.

#### Animal Husbandry

Placed two (2) purebred boars with farmers. Two purebred gilts were placed. Assisted in getting 1300 hogs treated against cholera. Eighteen (18) meat cutting and curing demonstrations were completed.

#### Dairying

Placed four (4) graded or purebred heifers with 4-H Club boys.

Two grazing demonstrations were completed by 4-H Club members. Four winter grazing demonstrations were completed by farmers.

#### Entomology and Plant Pathology

Fifteen demonstrations were completed in treatment of home gardens. Seven demonstrations were completed for home orchards. Five demonstrations were completed in treating Sweet Potato seed.

#### 4-H Clubs

Eleven (11) community 4-H Clubs were organized with an enrollment of 228 in 1947, and 170 demonstrations were completed, with a valuation of \$7,918.50 and a profit of \$3,248.25.

#### Horticulture

Fifteen year-round gardens were completed. Five digging and handling demonstrations. Home Orchards, ordered 750 trees.

#### Poultry.

Four grow-healthy-chicks demonstrations were completed. 4,000 chicks were placed during the year; 2,000 pounds at \$1,000.00.



### Farm Bureau

One hundred (100) farmers joined the Farm Bureau and seventy-four (74) have their families insured through group insurance against farm accidents.

### Publicity

Twenty-two circular letters were written and 4,633 copies mailed. Eighty-eight meetings were held with attendance of 6722 farmers. Two farm tours were held with an attendance of 23 farmers. Two 4-H Camps were held, with an attendance of 12 boys from Kershaw County.

### COUNTY, COMMUNITY AND NEIGHBORHOOD ORGANIZATION OF VOLUNTEER FARM AND HOME LEADERS:

#### County Agricultural Committee

The County Program-Planning Committee consists of one farmer from each community. These men are selected from their communities for the purpose of assisting and planning County and Community Programs, to meet the County needs.

#### Names and Addresses of Committee

F.P. Kirkland	Camden, S. C.
Sam Patterson	Camden, S. C.
John McCory	Bethune, S. C.
Zellie Lewis	Kershaw, S. C.
F. B. Drakeford	Cassett, S. C.
Henry Joye	Camden, S. C.
Joe Cunningham	Lugoff, S. C.
Calvin Clarke	Camden, S. C.
James Wade	Boykin, S. C.
Thomas Duren	Camden, S. C.
T. J. Miller	Camden, S. C.

The duties of the Agricultural Committee are to assist the Agent in working out a balanced Agricultural Program for the County.

#### Community and Neighborhood Organization:

	<u>Number</u>	<u>Members</u>
1. Red Hill:		
a. Brown Neighborhood	2	9
b. Stover           "	4	
c. Duren	3	
2. Liberty Hill:		
a. James Neighborhood	2	10
b. Gaither           "	2	

(continued)

Community and Neighborhood Organizations (continued)

2. Liberty Hill (continued)		Number	Members
			10
c.	Cedar Rock Neighborhood	2	
d.	Whitaker "	2	
e.	Brevard "	2	
3. Stoneboro:			
a.	Harris Neighborhood	4	10
b.	Harris "	3	
c.	Creighton	3	
4. Blaney: <del>Neighborhood</del>			
a.	Cook Neighborhood	4	11
b.	Addison "	6	
c.	Johnson "	3	
d.	Belton "	2	
Smyrna:			
a.	Chestnut Neighborhood	5	10
b.	Workman "	2	
c.	Perry "	2	
d.	Carolina "	3	
6. Lugoff:			
a.	Gadsden Neighborhood	3	12
b.	Cunningham "	2	
c.	Jones "	4	
d.	Anderson "	3	
7. Bethune:			
a.	McCory Neighborhood	4	14
b.	Patterson "	2	
c.	Freshly "	3	
d.	Eleby "	5	
8. Ebenezer:			
a.	Duren Neighborhood	6.	13
b.	Jackson "	3	
c.	Edwards "	2	
d.	Truesdale "	2	
9. Kirkland:			
a.	Kirkland Neighborhood	4	10
b.	Brown Neighborhood	3	
c.	McCarley "	3	



Community and Neighborhood Organizations  
(continued)

10. Ridgeway:	Number	Members
a. Carter Neighborhood	5	15
b. Jones "	3	
c. Peay "	4	
d. Martin "	3	
11. Hickman:		
a. Drakeford Neighborhood	5	12
b. Spann "	3	
c. Lennix "	4	
12. Buffalo:		
a. Lewis Neighborhood	3	9
b. Drakeford "	4	
c. Perkins "	2	
13. Antioch:		
a. Joye Neighborhood	3	13
b. Patterson "	6	
c. Brown	4	
14. St. Matthews:		
a. Wade Neighborhood	4	16
b. Pickett "	3	
c. Chestnut "	4	
d. Boykin "	5	
15. Boykin:		
a. Wade Neighborhood	4	9
b. Fowler	3	
c. Williams	2	

- maps.
- ⊗ County Planning Committee
  - Community Leagers
  - Neighborhood Leaders





Campaigns Handled Through Voluntary Leaders in 1947.

1. Purebred Cotton Seed
2. Purebred Poultry
3. Garden (Insect and Disease Control)
4. Home Orchard (Insect and Diseases)
5. Small Grain Program
6. Food Conservation
7. Dairy - Calf Program
8. Community Improvement
9. Liming and Super-phosphate
10. Farm Labor-Saving Show.

Good results were accomplished by leaders through the cooperation of Community Churches and Community meetings.

Reports of local leaders show that the communities have made advancement in Agricultural methods during 1947.

## PROJECT ACTIVITIES AND RESULTS

### Agricultural Economics

Work in Agricultural Economics and Farm Management in 1947 included Outlook meetings, Farm Surveys, Cooperation with Farm Credits and other Loan Agencies.

Outlook Meetings: One County Outlook meeting was held at Jackson High School, February 15. At which time the Extension Specialist presented Outlook information to 200 farmers and farm women of the County.

Following this meeting, County Agricultural Agent and Home Agent held joint outlook meetings in fifteen (15) communities, with a total attendance of 573 farm men and women.

The farmers throughout the County are becoming more and more reliant upon Outlook information through the Extension Service, as a guide to their farm operations. Arthur Pickett, of St. Matthews community stated that information received in 1947 enabled him to increase his farm income by \$5.00 from sale of tobacco. Walter Hough of Sandy Grove Community, increased his income in 1947 from the sale of tobacco \$735.00 over 1946. Cotton farmers have increased their livestock production through improved pastures. Farmers have increased their hay production throughout the County by the planting of more legume crops. Better Marketing practices through grading and handling enables farmers to get better prices for products. More and better livestock and poultry have increased.

### Cooperation with other Farm Credit Agencies:

The County Agricultural Agent cooperated with the Kershaw Production Credit Association, the Farm Home Administration, and other lending Agencies in their work of extending Farm Credit to farmers of Kershaw County.

The Agent has throughout the year advised farmers with reference to those services of credit and aid which they may secure in order that they might make the proper contacts.

The following is a summary of loans made by these agencies in 1947:

### Summary of Loans by Credit Agencies:

<u>Agency</u>	<u>Amount</u>
Production Credit Association	\$ 4,300.00
Farm Home Administration	9,200.00
Federal Bank Loan	3,500.00
Total	\$17,000.00



The Farm Home Administration has assisted a number of farmers families in Kershaw County. The Agricultural Agent has cooperated with Supervisors, furnishing Agricultural information and aiding the farmers in working out a plan for their farms.

### AGRICULTURAL ENGINEERING

The Agricultural Engineering work during 1947 included Soil Conservation, Farm Building, Sanitation, Farm Machinery and Harvesting and Handling of farm crops.

#### Soil Conservation

Soil Conservation work was conducted throughout the County, Voluntary Soil Conservation Association in cooperation with Lynch's River Soil Conservation District. The technical personnel engaged in setting up their community in cooperation with the County Agricultural Agent. Thirty-seven farmers signed agreements whereby the Soil Conservation made soil maps of their farms. The Agricultural Agent and the Supervisor of the Voluntary Soil Conservation Service gave every assistance possible in setting up the community operation.

Terracing: During 1947 the farmers used power terracing outfits to work up their terraces of 557 acres. There are two hundred and fifty (150) farmers on the waiting list to be terraced, due to the lack of available equipment.

Meetings: Two meetings on the Care and Maintenance of Terraces and the value of Soil Conservation, Crops and Practices, were held in cooperation with the Soil Conservation Service during the year, with an attendance of 135 farm people.

Five other community meetings were held on the Educational Work and result of Conservation Work. The farmers were shown educational pictures, illustrating the many practices for farm improvement.

Summary of Soil Conservation Work: -- The tables following give a summary of (1) Extension Educational Activities; (2) Extension Demonstrations establishing soil conservation practices; and (3) a summary of all soil conservation practices, established in the County during the year. --



Soil Conservation Report Form No. 1  
Educational Activities - Soil Conservation  
Kershaw County  
December 1, 1946 - November 30, 1947.

	<u>Number</u>	<u>Attended</u>
1. Monthly group conferences agricultural Agent	6	43
2. Community Educational meetings held within Districts	12	163
3. Method Demonstrations established practices	3	17
4. Meetings as a result of demonstrations	1	5
5. County Agricultural Agent assisted farm planning	1	27
6. Informational Circular Letters	1	
7. County Agricultural Meetings with District Supervisors	5	15
8. District Soil Conservation Program with 4-H Clubs	12	223
9. County or Community Meetings held on Soil Conservation dis- trick organization	15	237

Soil Conservation Report Form No. 2  
Extension Demonstrations Establishing Soil Conservation Practices  
Kershaw County  
December 1, 1946 - November 30, 1947

	<u>Number</u>
1. Perennial Lespedeza	2
2. Strip Cropping	5
3. Permanent Pastures	3
4. Summer and Winter Annual Cover Crops	8
5. Terrace Construction	37
6. Terrace Maintenance	37
7. Forestry practices	3
8. Forestry Planting	7



Soil Conservation Report Form No. 3

Summary of Soil Conservation Practices established in Kershaw  
County during 1947

(Includes Farms under district agreement, underspread application of Soil Conservation practices by the district, Extension Demonstration and others.)

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	<u>Number</u>
1. District Farm Plans	112
2. Approved Rotations	47
3. Strip Rotations	11
4. Kudzu planted (Acres)	35
5. Lespedeza Serecia (Acres)	15
6. Pastures Improvement (Acres)	45
7. Tree Planting (Acres)	30
8. Terracing (Acres)	385
9. Tons of Lime (ACA Conservation material and others)	500

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Farm Buildings

Farm Building Plans: Farm Building Plans prepared by the Extension Agricultural Engineering Division were furnished to farmers for construction of the following listed farm buildings:

Summary Farm Building Plans Furnished to Farmers

<u>Buildings</u>	<u>Number</u>
Dwelling Houses	4
Poultry Houses	2
General purpose Barns	4
Smoke Houses	2
Tobacco Barns	1
Total	13

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Dwelling Houses: Four plans for farm dwelling houses were furnished during 1947, according to Extension Engineering under the supervision of the Agricultural Agent.

Summary of Dwelling Houses

Name	Address	Cost
Robert Belton	Cassett, S. C.	\$ 2,300.00
James Adamson	Cassett, S. C.	1,800.00
Mary Huston	Westville, S. C.	2,400.00
Richard Wood, Jr.	Lugoff, S. C.	1,750.00
Total - - - - -		\$ 8,250.00

Poultry Houses: Cost records were obtained on construction of the two poultry houses built according to the Extension Service plans, under the supervision of the Agent.

Name	Address	Size	Cost
M.K.Brown	Camden, S.C.	12 x 16	\$ 137.00
J. Ricks	Ridgeway, S.C.	12 x 16	150.00
Total - - - - -			\$ 287.00

General Barns: Cost records were obtained on the construction of six (6) Barns, built according to plans furnished by the Extension Service:

Name	Address	Cost
M. K. Brown	Camden, S. C.	\$ 1,600.00
R. Shropshire	Heath Springs S.C.	1,500.00
T. J. Miller	Camden, S. C.	1,200.00
J. Ricks,	Ridgeway, S C.	1,200.00
Total - - - - -		\$ 5,500.00

Smoke Houses: Cost accounts were obtained on two smoke-houses built according to plans furnished by the Extension Service. A Summary of these records follows:

Name	Address	Cost
Sam Patterson	Camden, S. C.	\$ 225.00
Lewis Nelson	Lugoff, S.C.	175.00
Total - - - - -		\$ 400.00



Tobacco House: Cost record was obtained on the construction of one Tobacco Barn, built according to plans furnished by Agricultural Agent:

Name	Address	Size	Cost
F. P. Kirkland	Camden, S. C.	12 x 12	\$ 235.00
Total - - - - -			\$ 235.00

Care and Repair of Farm Buildings:

Assistance was given farmers in repairing six (6) farm buildings and remodelling three (3) farm dwelling houses in order to get better service and to make them suitable for living purposes.

Rural Electrification

Work in connection with rural electrification program consisted of educational meetings, aiding communities to organize in order to obtain power lines, and demonstrations in the use of electrical equipment.

Communities: Four (4) Communities of the County were assisted in obtaining cooperation and R. E. A. lines from Black River, Lynch's River and Fairfield Electrical cooperation in 1947.

Summary of Rural Electrification Work for 1947

Community	R.E.A. Miles line	No of Farms electrified
Hickman	12	48
Smyrna	11	37
Westville	4	15
Total	27	100

Care and Repair of Machinery and Equipment:

Fifteen (15) Farmers were assisted in care and repair of farm machinery and equipment during the year 1947. Eleven (11) farmers attended the County Tractor School held at the two local dealers and implement Company in Camden, S. C. Assistance was given three tractor farmers in purchasing equipment for their tractors.

Summary of Tractor Equipment Purchased:

Name	Address	Equipment
St. Matthews Tractor Club	Camden, S.C.	Power Binder
Cyprus Holley	Kershaw, S.C.	Cultivators.



Educational Work: Educational work on farm machinery and equipment in Kershaw County for the year 1947 has resulted in the following:

St. Matthews Tractor Club to build storage shed for equipment; farmers of the Red Hill Community to repair farm equipment; and assisting farmers to place orders for their choice of tractor and equipment.

AGRONOMY

Agronomy work in 1947 consisted of demonstrations and educational work in connection with cotton, corn, tobacco, fertilizer, soil-building crops, hay, storage crops and Pastures.

Cotton

Five-Acre Improvement Demonstrations:

Four (4) farmers completed five-acre cotton demonstrations in 1947. These four who completed their demonstrations used pedigreed seed.

Summary of Demonstrations:

<u>Name</u>	<u>lbs.</u> <u>seed</u> <u>cotton</u>	<u>lbs.</u> <u>lint</u>	<u>Value</u> <u>crop</u>	<u>Cost</u> <u>prod'n</u>	<u>Net</u> <u>profit</u>	<u>Lint</u> <u>cost</u> <u>lb.</u>	<u>Variety</u>
Walter Jacob	8500	3315	\$1093.95	\$483.00	\$610.95	.15	100
James Pickett	7800	3042	1038.63	465.00	573.60	.15	100
James McCluster	6900	2691	888.03	457.00	431.03	.17	100
Sam Patterson	6500	2535	825.55	463.00	362.55	.15	100
Average Yield Per Acre					579 lbs.		
Average value per Acre					\$ 98.85		
Average cost per pound						.155	

Following is a yearly summary of results of five-acre improvement demonstrations of Kershaw County, for the period 1941 - 1947:



Summary Cotton Improvement Demonstrations:

<u>Year</u>	<u>Number of demonstra- tions</u>	<u>Average lbs.lint per acre</u>	<u>Value per acre</u>	<u>Cost per acre</u>	<u>Profit per acre</u>
1941	5	407	\$ 18.24	\$24.74	\$13.47
1942	4	345	22.06	24.18	53.06
1943	6	628	50.52	32.95	50.86
1944	4	630	58.36	43.78	63.78
1945	6	636	56.63	77.06	56.36
1946	4	600	148.98	87.06	128.98
1947	4	579	98.85	93.40	98.85

The Five-Acre Improvement contest demonstration has created great interest in the planting of pure and improved seed throughout Kershaw County. As a result of the interest created from annual trips to Coker Farm, thirty three (33) farmers purchased seed through the agricultural agent's office. The four cotton demonstrators saved their seed in order to help farmers to get improved seed in their communities. Orders have been placed for 3,000 lbs. of new seed for 1948.

Fertilizer Meetings: Fifteen (15) community meetings were held in the Spring of 1947. At these meetings the County Agricultural Agent led group discussion on Fertilizers and their relation to the soil and crop production; also the shortage of material to make fertilizers. These meetings were attended by a total of 395 farmers. Following these meetings the County Agricultural Agent assisted 47 farmers and Neighborhood Leaders in working out formulas suitable to their soils and made suggestions for farmers throughout the County.

Corn.

The campaign to increase the yield of corn per acre in Kershaw County was continued in 1947. Through Neighborhood and Community leaders, fifteen (15) meetings were held which resulted in group discussions and demonstrations, stressing the importance of good seed, soil improvement, fertilization and better cultivating practices.

Corn Production Demonstrations:

Four farmers completed corn production demonstrations, showing the value of soil improvement, good seed, fertilization and cultivation for corn:



### Summary of Corn Production Demonstrations

Name	Yield Bu.	No. Acres	Bu. per Acre	Value Crop	Cost Prod.	Profit	Cost per bu.
Richard Wood	205	5	41	\$410.00	\$195.00	\$215.00	\$.95
Dobe Drakeford	185	5	37	370.00	193.00	177.00	1.04
James Pickett	175	5	35	350.00	186.00	164.00	1.06
R. DuBose	150	5	35	300.00	183.00	117.00	1.22
Total	715	20	37				1.07

Average Production of bushels per Acre - - - 37 Bushels  
 County Average Bushels per Acre - - - - - 10 Bushels  
 Average cost per Acre - - - - - \$ 1.07

Results demonstrations show farmers following improved practices made an average yield of 37 bushels as compared with County average of 10 bushels per Acre.

### Small Grain

Oat Production: Three (3) demonstrations in oats production were completed for good seed, fertilizer practices and cultivation methods.

### Summary of Oats Demonstrations

Name	Variety	No. acres	Bu. yield	Yield per A.	Cost	Cost Per bu.	Value	Profit
George Reeves	Fulgrain	5	200	40	\$90.00	\$.45	\$300.00	\$210.00
Arthur Pickett	Fulgrain	5	250	20	95.00	.38	375.00	280.00
Sam Patterson	Fulgrain	5	175	35	87.00	.48	262.50	175.50
Total		15	625		272.00		967.50	665.50
Average				41 bushels		\$ .44 per bushel		

These demonstrations show an average yield of 41 bushels per Acre as a result of improved methods as compared to an average of 14 bushels for the County as a whole. The cost per bushel, including rent of land, fertilizer, man and mule labor, threshing, etc., was 44¢ per bushel, and valued at \$1.50 per bushel, these demonstrations returned a profit of \$44.26 per acre to the growers.



Wheat Production: Two (2) demonstrations in production of wheat in 1947 were completed. A summary of these demonstrations follows:

Summary of Wheat Production Demonstrations							
Name	Variety	Yield bu.	Bu. per Acre	Cost	Cost per bu.	Value	Profit
Isaac Goodwin	E.Red Heart	135	27	\$132.00	\$.97	\$270.00	\$138.00
Richard Dow	E Red Hart	125	25	135.00	1.08	250.00	115.00
Total		260		\$267.00		\$520.00	\$253.00
Average			26		\$1.02	\$52.00	25.30

This record shows that farmers conducting wheat demonstrations made an average of 26 bushels per acre as compared to the County average of 12.5 bushels. The wheat was produced at a cost of \$1.02 per bushel and at a value of \$2.00 per bushel, yielded an average profit of \$25.30 per acre.

#### Legumes for Hay

Lespedeza for Hay production: Five (5) demonstrations of Lespedeza for hay production were completed in 1947. A summary of these demonstrations follows:

Summary of Demonstration of Lespedeza for Hay Production:							
Name	Variety	Acres	Yield Tons	Cost	Cost Per Ton	Value	Profit
Sam Patterson	Kobe	5	7.5	\$90.00	\$12.50	\$337.50	\$247.50
N. Drakeford	Korean	5	7.0	87.00	12.75	315.00	228.00
Joe Chestnut	Korean	5	6.5	85.00	13.77	292.50	207.50
N. McDonald	Korean	5	6.0	79.00	13.17	270 00	191.00
D. Johnson	Korean	5	5.5	78.00	14.18	247.50	169.50
TOTAL		25	32.5	\$419.00		\$1462.50	\$1043.50
AVERAGE			6.5		\$13.26		41.70

Cost records on these demonstrations included the price of the seed, fertilizer, rent on land and man, mule and labor involved in seeding, harvesting and handling the crop. An application of 500 pounds of lime per acre was applied to 10 acres included in these demonstrations.

Interest in Lespedeza as a hay crop is increasing in Kershaw County and careful estimate indicates that the acreage of Lespedeza



grown for hay production has tripled itself each year.

### Tobacco

The extension program with reference to tobacco has again been directed toward the production of higher yields of quality tobacco, and included demonstrations, plant production, and full production of tobacco.

Tobacco Demonstrations: Three tobacco demonstrations were completed by growers. A summary of production follows:

#### Summary of Tobacco Demonstrations

Name	No. Acres	Yield per A.	Value Crop	Average Value per bu.	Cost Production	Profit.	
A. Pickett	2.2	3300	1500	\$1386.00	\$.42	\$450.00	\$936.00
A.C.Chestnut	1.6	2400	1500	1032.00	.43	425.00	607.00
Jimmie Brown	2.2	3100	1409	1302.00	.42	485 00	817.00
TOTAL	6.0	8800		\$3720.00		\$1360.00	\$2360.00
AVERAGE		1466			.42		
Average yield per acre 1466 pounds							
County Average 700 pounds.							
Average value per acre \$620.00							
County Average 284.00							
Average value per pound 42¢							
Average profit per acre \$393.32							

It will be seen from this summary that the average yield per acre on this demonstration was 1466 pounds per acre, as compared to the County average of 700 pounds per acre. The average value per acre was \$620.00 as compared with value of \$284.00 per acre for the County average at the same price. The quality of tobacco grown in these demonstrations is shown by the average price of 42¢ per pound, which was received for the 8800 pounds produced.

As a result of the tobacco demonstration work, tobacco growers of the County are following one or more of the recommended practices in plant production, fertilization and cultivation. The results of wide spread adoption of improved practices is reflected in the increased yield per acre and in the improvement in quality of tobacco being marketed from Kershaw County.



Permanent Pastures Demonstrations

Permanent Pastures: Campaign for the establishment and improvement of permanent pastures in Kershaw County were continued during 1947. As a result of this work during the past seven years, farmers, particularly those with few cows, are becoming more and more interested in pasture improvement.

During 1947 ten (10) farmers were assisted in purchasing 500 pounds of pasture grass and clover seed, and 20 tons ground limestone for pasture purposes. In addition, 2 tons of super-phosphate were obtained through Marketing Production Association.

A summary of Demonstration follows:

Summary of Permanent Pastures Demonstrations

Name	Year A. Started	Soil Type	Soil Test P.H.	Degree Erosion	Prep. Mach. & Engin.	Fert. Used	No Animals Grazed	Grasses Seeded	Dates be- gin & end Grazing	Date Reseeded
Henry Joye	13 1943	Sandy Loam	5.5	Slight	Contin. Furrowed	Lime	10	Dallas W. Dutch Lespedeza	May & Septem.	None
W. Page	12 1943	Sandy Loam	5.6	None	Drainage	Phos. & Lime	7	Dallas W. Dutch Lespedeza	May & October	Alta Festue Oct. '43
R. Wood	35 1944	Clay Loam	4.5	Gullied	None	Phos. & Lime	23	Dallas W. Dutch & Lespedeza	April & Oct.	Alta Fes- tue, Oct. 1947.
D. Johnson	59 1945	Clay Loam	5.5	Slight	None	Lime	8	Dallas Lespedeza	April Oct.	Alta Fes- tue, Oct. 1947
Levi Hawkin	20 1945	Sandy Loam	5.5	None	Drainage	Lime	4	Dallas Lespedeza	April Oct.	Alta Fes- tue, Oct. 1947
Sam Patterson	15 1946	Sandy Loam	5.5	Slight	None	Lime	4	Dallas Lespedeza	May Oct.	Alta Fes- tue Oct. 1947



### Animal Husbandry

Animal Husbandry extension work in Kershaw County in 1947 consists of educational demonstrations work with swine and beef cattle, also dairy cattle.

#### Swine

The program for demonstration work with hogs in 1947 included the placing of purebred and improved sows, hogs, feeding demonstrations and sanitation.

Purebred Sows: Two (2) purebred sows were placed with farmers during 1947. The County Agent assisted the farmers in selecting these boars as to type and quality. A record of these placings is given as follows:

#### Record of Purebred Boars placed in 1947

Name	No.Boars	Breed	Age	Cost
M.K.Brown	1	Poland China	8 mos.	\$40.00
Sam Boykin	1	Duroc	6 mos.	50.00
Total	2			\$90.00

Following is given a record of the placing of purebred boars by years in the County, since 1940:

#### Summary of Boars placed 1940 - 1947

Year	Number Placed
1940	1
1941	2
1942	3
1943	3
1944	3
1945	3
1946	4
1947	2
Total placed in seven years	21

As a result of extension work in the placing of purebred boars, a total of twenty-one (21) are now in service in Kershaw County.

### Pure Bred Gilts Placed

Two (2) purebred Gilts were placed with farmers for breeding purposes.

#### Summary of Purebred Gilts Placed

<u>Name</u>	<u>Number</u>	<u>Breed</u>	<u>Age</u>	<u>Price</u>
George Reeves	1	Duroc	6 mos.	\$ 35.00
Aaron Chestnut	1	Poland China	3 mos.	50.00
Total				\$ 85.00

Since work in Sanitation was started in Kershaw County in 1947, Local and Community leaders were assisted. A list of farmers who needed help in securing Veterinarians to treat hogs against Cholera was turned in to the County Agricultural Agent's office.

During the year 1947 1300 hogs were treated against Cholera.

### Meat Cutting and Curing

Eighteen meat cutting demonstrations were held during the year. The proper methods of killing, cutting, and curing pork were demonstrated.

#### Summary of Amount of Meat Cured Annually in Kershaw County - 1940 - 1947

<u>Season</u>	<u>Number of Demonstrations</u>	<u>Pounds of Meat Cured</u>
1940	4	2,400
1940-1941	8	4,800
1941-1942	12	10,000
1942-1943	13	12,000
1943-1944	15	18,000
1944-1945	15	20,000
1945-1946	27	39,000
1946-1947	18	23,000

### Home Dairying

The Kershaw County program in home dairying in 1947 included educational demonstrations, placing of improved and purebred bulls in the communities, and milk cows on the farm. Better management and



housing of the family cows, growing and curing of quality roughage, animal grazing crops, permanent pastures and milk production for farm families' use.

Heifers placed: Four (4) graded and purebred heifers were placed in 1947 with 4-H Club boys in order to increase their milk production for home use. A campaign for increasing interest in better milk cows and more milk on the farm for 1948 has already been started. Every effort will be made to place calves in the County each year.

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Summary of Heifers placed in 1947

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4 - H Club

Name	Number	Breed	Cost
Johnnie Harris	1	Guernsey	\$125.00
Glen Thompson, Jr.	1	Guernsey	25.00
Eddie Clark	1	Guernsey	25.00
Eddie Richardson	1	Jersey	25.00
Total 4 - - - - -			\$200.00

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Summary of Heifers Placed 1944 -1947

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Year	Number Placed
1944	2
1945	3
1946	8
1947	4
Total - - - - -	17

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Annual Grazing Crops

Since temporary grazing crops are important in both the economical production of milk, the County Agricultural Agent conducted a special campaign among the community and neighborhood leaders of the County to encourage the production of both summer and winter grazing crops to supplement pastures. This campaign resulted in an estimated result that 127 farmers planted 5 or 6 acres per cow for their family cow in 1947, over previous years.

Summer Grazing Crops: Two (2) demonstrations of the products of Summer grazing crops were completed in 1947:

Summary Grazing Crops Demonstrations

Name	Crop	Acres	No. Cows	Mos. Grazed	Value
A. Harris	Pearl Millet	1/2	2	3	\$18.00
J. McCoy	Pearl Millet	1/4	1	3	14.00

Average value per cow, per month, in feed and increased milk production, \$9.00

Winter Grazing Demonstrations:

Four (4) Winter Grazing demonstrations were completed in the spring of 1947, a summary of which follows:

Summary of Winter Grazing Crop Demonstrations

Name	Crop	Acres.	No. cows	Mos. grazed	Value
Richard Wood,	Oats-Rye	25	14	3	\$140.00
Arthur Pickett,	Oats-Rye	10	3	3	45.00
F.B. Drakeford,	Wheat Oats	15	7	3	105.00
H. Lawhorn	Oats-Rye	30	7	3	120.00

Average value per cow, per month .....\$13.23  
Increased milk production.

ENTOMOLOGY AND PLANT PATHOLOGY

Program for 1947 in Entomology and Plant Pathology consisted of work with crop diseases and crop insect pests.

Garden: Fifteen (15) demonstrations were conducted in the treatment of home gardens for insects and diseases in order to teach farmers to recognize and treat disease and insects for their control and prevention.

As a result of these demonstrations, three hundred pounds of Sabadilla were purchased from local dealers for the control of these insects.

Orchard Insects and Disease Control: Seven (7) demonstrations were conducted to teach farmers that loss of fruit trees can be cut more than 25 percent if they would care for their home orchards, which is of vital importance to their family health.

Records were kept on both treated and untreated home orchards. Information was given to neighborhood leaders in order that they can help farmers in control of pests and diseases.



### Sweet Potato

Five demonstrations were conducted in the treating of sweet potato seed before planting in order to control disease. As a result of these demonstrations only three percent of the potatoes showed any effect of diseases.

### Planting

In an effort to cooperate with Kershaw County Forest Protection Association, 100,000 pine tree seedlings were ordered through this office. Ten farms ordered 10,000 above the 2,000 given them free by the Forestry Department.

### 4-H CLUB WORK

Eleven (11) Boys' 4-H Clubs were organized in eleven communities in Kershaw County in 1947. with an enrollment of 228 farm boys. These Clubs emphasized better agricultural and rural living conditions. Through demonstrations and monthly discussions these boys learned to help to solve their group community problems.

#### Summary of Club Enrollment and Completions

Name of Club	Number Enrolled	Demonstrations completed	Percent of Membership completing Demonstrations
Cook	21	17	80%
Ebenezer	26	21	83%
Hickman	21	18	85%
Liberty Hill	22	16	72%
Mt. Zion	12	10	83%
Kirkland	14	10	71%
Red Hill	26	19	73%
St. Matthews	37	18	48%
Stoneboro	18	15	83%
West Branch	10	8	80%
Wood	21	18	85%
Total	228	170	76%

#### 4-H Club Enrollment and Completions 1940 - 1947

Year	Enrollment	Completion	Percent Completion
1940	127	109	85%
1941	174	130	75%
1942	162	133	85.3%
1943	248	173	72.7%
1944	264	183	88.5%
1945	230	193	91.7%
1946	222	166	76.3%
1947	228	170	76.0%
Total	1,575	1,258	81.1%



Summary of Club Demonstrations  
Completed in 1947

Demonstrations	Number Completed	Value of Production	Cost	Profit
Corn	24	\$1,874.00	\$1,016.00	\$ 858.00
Poultry	13	512.00	331.70	180.30
Pig -A	110	4,096.00	2,530.00	1,565.55
Pig -B	7	274.00	174.00	100.00
Calf - D	16	1,162.00	616 00	545.00
TOTAL	170	\$7,918.00	\$4,669.65	\$3,248.85

4-H Council

The 4-H Club Council held three meetings during the year to continue working out plans for the development of 4-H Club work in Kershaw County. At each of the meetings leaders and councilmen came together and exchanged ideas which increased the interest of their respective Clubs.

4-H Club Camps

Ten (10) boys attended District Camp at King's Mountain from Kershaw County and two(2) boys from the County attended the Conservation Camp held at State College, Orangeburg, S.C., as a result of the good work in their local clubs and community. These Clubsters and Leaders after attending Camp returned to their Communities, rendering valuable service to their Clubs. The training received made them valuable Club leaders.

Horticulture

The Horticultural work in Kershaw County for 1947 included home gardening, potato crops, and Home Orchards.

Gardens

Home Gardens: Farmers of Kershaw County received information in home gardening through circular letters, meetings, bulletins, method demonstrations, Community and Neighborhood Leaders. 585 bulletins and circulars were given to leaders for the farmers in their communities on gardening. 407 Home Gardens received the monthly Garden Letters from Clemson College, which



they used to give information to other farmers on the latest ideas in gardening.

Community and Neighborhood Leaders continued in 1947 to create interest and give demonstrations for the control of insects and diseases among families in garden work. Leaders reported 237 Method Demonstrations for the protection of gardens from insects and diseases borne on seeds. Each Leader took the farm families in his respective Neighborhood and encouraged them to plant a garden, with all vegetables possible in it, also including collard greens and turnips. As a result a monthly check is made by leaders. The leaders report that farmers made some planting of vegetables each month.

The farmers were instructed on how to handle the insect and disease problems through demonstrations which leaders could give. As a result there was a saving of many gardens from destruction by insects and diseases. Also methods in care for peas and beans in small quantities were given.

#### Sweet Potato

The Kershaw County Sweet Potato growers interest was for the purpose of encouraging the production and handling of sweet potatoes in the County. The County Agricultural Agent gave five demonstrations in digging and handling sweet potatoes.

#### Home Orchards

Home Orchard work in Kershaw County consisted in planting, ordering fruit trees, pruning and spraying of home orchards. During the year thirteen (13) farm orchards were started and rejuvenated in 1947.

Eight (8) demonstrations were given to Community Leaders in pruning and spraying, which enabled farmers to save their orchards from insects and diseases. As a result the leaders have encouraged the planting of more fruit trees.

#### Summary of Home Orchards started 1940 - 1947

Year	Number of Trees	Price
1940	500	\$ 85.00
1941	650	110.00
1942	450	55.00
1943	250	20.00
1944	450	53.00
1945	1,000	350.00
1946	1,500	475.00
1947	750	300.00
TOTAL	5,550	\$1,448.00



## Poultry

The extension work with poultry in Kershaw County consisted of demonstrations of growing healthy chickens and sanitary work with chicks.

Growing Healthy Chicks: Four (4) demonstrations of growing healthy chicks were conducted by poultrymen this year. These demonstrations followed recommended practices in obtaining chicks from tested hatcheries, feeding and housing practices and sanitary measures.

### Summary Grow-Healthy Chicks Demonstrations

Name	No.chicks started	no.chicks raised	Percent Mortality	Chicks sold	Chicks Eaten	lbs. Food
A. Duren	400	365	11	50	150	3,985
N. Drakeford	500	475	3	100	175	4,000
L. Drakeford	300	250	8	50	150	2,800
A. Johnson	250	225	10	175	50	2,150
<hr/>						
Average Mortality - - - - 8%						
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The outlook for Kershaw County continuing to grow healthy chicks, turkeys, and egg production is very good. Realizing that one-crop farming cannot be depended upon for a profitable basis, more farmers are urged to grow chicks each year as a side cash income. Four thousand baby chicks were ordered for fifteen farmers to grow and sell as broilers. The farmers averaged fifty cents per pound, at  $2\frac{1}{2}$  pounds, a total of 2,500 pounds and a total price, at 50 cents per pound of \$1.000.

### Farm Bureau

On March 15, 1947 Negro Farmers were called together for the purpose of gaining knowledge of the opportunities which the Farm Bureau offered.

Addresses were delivered by the President of the County Farm Bureau, and Mr. L. O. Funderburke, the State Director. Before the meeting adjourned, 60 farmers paid their membership fees which gave them the privileges offered to the Bureau Members.

November 8th, 1947, one hundred farmers paid their annual dues to rejoin and 74 of that number have their families covered through group insurance offered by the Farm Bureau.



Publicity

Publicity work and distribution of educational information in 1947 extension program were done through the use of circular letters, press articles, distribution of bulletins, farm tours and camps.

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Summary of Publicity Work in 1947

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Days in office	67
Days in Field	236
Office calls	2,052
Telephone Calls	354
Circular Letters	22
Copies mailed	4,633
Bulletins distributed	669
Farm Meetings	88
Attendance	6,722
Farm Tours	2
Attendance	23
Camps Attended	2
Attendance	12